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Dr. Meza has degrees in electrical engineering (B.S. 1978 and Masters 1979, Rice University) and computational mathematics (Masters, Ph.D., 1986, Rice University). He is currently the Department Head of High Performance Computing Research at Lawrence Berkeley National Laboratory. This department focuses on research in scientific data management, visualization, numerical algorithms, and computational sciences and engineering. Prior to joining LBNL, Meza was a Distinguished Member of the Technical Staff at Sandia National Labs. Dr. Meza has served on numerous committees including the DOE Advanced Scientific Computing Advisory Committee, SIAM Board of Trustees, IMA Board of Governors, and MSRI Human Resources Advisory Committee.

His current research interests include nonlinear optimization with an emphasis on parallel methods for simulation-based optimization. He has also worked on various scientific and engineering applications including methods for electronic structure calculations for nanoscience applications, mixed integer nonlinear programming methods for detecting vulnerabilities in electric power grids, optimization methods for molecular conformation problems, optimal design of chemical vapor deposition furnaces, and semiconductor device modeling.